



DT07 Rec'd PCT/PTO 21 OCT 2004

PCT

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Fajun Nan, et al.

Examiner:

Serial No: 10/509,823 ✓

For: NEW METHIONINE AMINOPEPTIDASE INHIBITOR

Date: October 18, 2004

Group Art Unit:

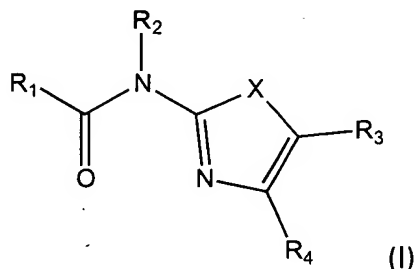
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

The PTO did not receive the following  
listed items(s) FORs & NPLs

INFORMATION DISCLOSURE STATEMENT

Sir:

This invention provides a new methionine aminopeptidase inhibitor with the following formula (I): wherein  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ , and X have the meanings given in the description. Pharmacological experiment shows that they display good inhibition activity for methionine aminopetidase.



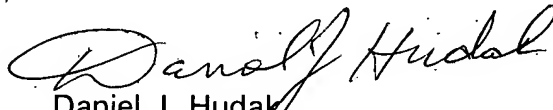
As authorized and encouraged under 37 C.F.R. §1.97-1.99, applicant hereby cites as a means of complying with the duty of disclosure set forth in 37 C.F.R. §1.56, the following patents and/or documents, required copies enclosed, which the Examiner should consider with respect to the above-identified United States Patent Application:

In accordance with 37 CFR 1.98(a)(2)(i) only the foreign and non-patent documents are required for the express purpose of providing the Patent and Trademark Office with an ample opportunity to evaluate the same and to arrive at an independent assessment of its materiality, if any, with regard to the examination of the application.

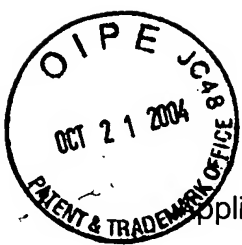
An examination of the present application considering the above documents is requested.

Respectfully submitted,

HUDAK, SHUNK & FARINE CO. LPA

  
Daniel J. Hudak  
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Attorney Docket No.: SKPA-A-PCT-US



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CERTIFICATE OF MAILING

Sir:

The undersigned hereby certifies that the attached **INFORMATION DISCLOSURE STATEMENT, FOUR FORM PTO-1449s AND THIRTEEN CITED REFERENCES** were mailed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, with sufficient first-class postage, no special handling, on October 18, 2004, before 5:00 PM, thereby ensuring that such document(s) will be in the hands of the U.S. Postal Service by the close of business this day.

The Commissioner is hereby authorized to charge any fees which might be required or credit any overpayment of fees with regard to the attached document(s) to Account No. **08-3150**.

Respectfully submitted,

HUDAK, SHUNK & FARINE CO. LPA

By: Daniel J. Hudak

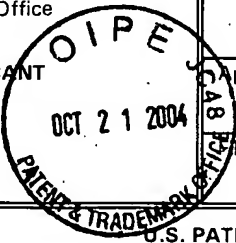
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Attorney Docket No.: SKPA-A-PCT-US

Enclosures: Return Postcard  
Certificate of Mailing  
Information Disclosure Statement, Four Form PTO-1449 ;  
Copies of 13 References

Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No.: SKPA-A-PCT-US		Serial No.: 10/509,823	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)		Applicant: Fajun Nan, et al.		Group:	
		Filing Date: September 30, 2004			



U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing date if appropriate
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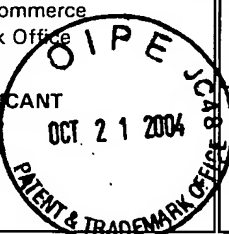
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
	AL	1018828B	October 28, 1992	CN			
	AM	1022015C	September 8, 1993	CN			
	AN	WO 99/57098	November 11, 1999	WIPO			
	AO						
	AP						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
	AR	S. Keding et al., Synthetic Communications, 28(23)m 4463-4470 (1998), <i>Synthesis of (3R)-Amino-(2S)-Hydroxy Amino Acids For Inhibition of Methionine Aminopeptidase-1.</i>
	AS	Yie-Hwa Chang et al., The Journal of Biological Chemistry, Vol. 265, Issue of 11/15, pp. 19892-19897, (1990). <i>Purification and Characterization of a Methionine Aminopeptidase from Saccharomyces cerevisiae.</i>
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EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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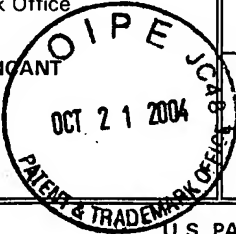
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	AS	W. Todd Lowther, et al., Biochemistry, Vol. 38, pp. 14810-14819, (1999), <i>Insights into the Mechanism of Escherichia coli Methionine Aminopeptidase from the Structural Analysis of Reaction Products and Phosphorus-Based Transition-State Analogues.</i>
	AT	J. Yun Tso, et al., The Journal of Biological Chemistry, Vol. 257, No. 7, 4/10, pp. 3532-3536, (1982), <i>Glutamine Phosphoribosylpyrophosphate Amidotransferase from Cloned Escherichia coli purF.</i>

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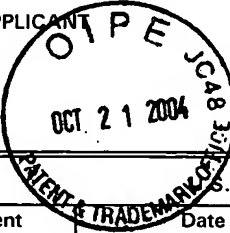
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AS		Patrick C. Kearney, et al., Journal of Organic Chemistry, Vol. 63, pp. 196-200, (1998), <i>Solid-Phase Synthesis of 2-Aminothiazoles.</i>
AT		Ying Zhou, et al., Analytical Biochemistry, Vol. 280, pp.159-165, (2000), <i>Two Continuous Spectrophotometric Assays for Methionine Aminopeptidase.</i>

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